

SEQUENCE LISTING

<110> Clive Wood
Gordon Freeman

<120> PD-1, A Receptor For B7-4, and Uses Therefor

<130> GNN-004B

<140> 09/645,069

<141> 2000-08-23

<150> 60/150,390

<151> 1999-8-23

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<170> PatentIn Ver. 2.0

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gtg acc agc aca ctg aga atc aac aca aca act aat gag att ttc tac 682
 Val Thr Ser Thr Leu Arg Ile Asn Thr Thr Thr Asn Glu Ile Phe Tyr
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 Leu Ser Pro Ser Thr
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10053215 020602

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 Ile Gln Phe Val His Gly Glu Glu Asp Leu Lys Val Gln His Ser Ser
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 Ala Ala Leu Gln Ile Thr Asp Val Lys Leu Gln Asp Ala Gly Val Tyr
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 Lys Val Asn Ala Pro Tyr Asn Lys Ile Asn Gln Arg Ile Leu Val Val
 130 135 140

09/645,069

Asp Pro Val Thr Ser Glu His Glu Leu Thr Cys Gln Ala Glu Gly Tyr
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Pro Lys Ala Glu Val Ile Trp Thr Ser Ser Asp His Gln Val Leu Ser
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Gly Lys Thr Thr Thr Thr Asn Ser Lys Arg Glu Glu Lys Leu Phe Asn
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Val Thr Ser Thr Leu Arg Ile Asn Thr Thr Thr Asn Glu Ile Phe Tyr
195 200 205

Cys Thr Phe Arg Arg Leu Asp Pro Glu Glu Asn His Thr Ala Glu Leu
210 215 220

Val Ile Pro Glu Leu Pro Leu Ala His Pro Pro Asn Glu Arg Thr His
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Leu Val Ile Leu Gly Ala Ile Leu Leu Cys Leu Gly Val Ala Leu Thr
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Asn Thr Ser Glu Ser Phe Val Leu Asn Trp Tyr Arg Met Ser Pro Ser
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aac cag acg gac aag ctg gcc gcc ttc ccc gag gac cgc agc cag ccc 291
Asn Gln Thr Asp Lys Leu Ala Ala Phe Pro Glu Asp Arg Ser Gln Pro
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ggc cag gac tgc cgc ttc cgt gtc aca caa ctg ccc aac ggg cgt gac 339
Gly Gln Asp Cys Arg Phe Arg Val Thr Gln Leu Pro Asn Gly Arg Asp
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Trp	Val	Leu	Ala	Val	Ile	Cys	Ser	Arg	Ala	Ala	Arg	Gly	Thr	Ile	Gly	
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Ala Arg Arg Thr Gly Gln Pro Leu Lys Glu Asp Pro Ser Ala Val Pro
205 210 215

Variable	Mean	SD	Min	Max
Age (years)	35.2	10.5	18	65
Gender (male/female)	15/15			
Education (years)	12.5	1.5	8	16
Occupation (white/blue)	10/5			
Marital status (married/single)	12/3			
Religion (Catholic/Protestant)	10/5			
Income (€1000/month)	1.2	0.8	0.5	2.5
Health status (good/fair/poor)	10/5/0			
Smoking status (smoker/non-smoker)	5/10			
Alcohol consumption (g/day)	15	20	0	100
Physical activity (hours/week)	2.5	2.0	0	10
Stress level (low/moderate/high)	2/8/5			
Sleep quality (good/fair/poor)	10/5/0			
Dietary intake (vegetarian/non-vegetarian)	5/10			
Family size (number of children)	1.5	1.0	0	4
Work hours (hours/week)	35	5	20	45
Comorbidity (yes/no)	5/10			
Medication use (yes/no)	3/12			
Health insurance (private/public)	5/10			
Place of residence (urban/rural)	10/5			
Transportation (car/bike/public)	10/5/0			
Language spoken at home (German/Other)	15/0			
Time of day of interview (morning/afternoon/evening)	5/10/0			
Season of interview (spring/summer/autumn/winter)	4/4/4/3			
Weather condition (sunny/cloudy/rainy/snowy)	5/5/5/5			
Time of day of sleep (hours)	7.5	1.5	5	10
Time of day of waking (hours)	7.0	1.0	5	9
Time of day of eating (hours)	12.0	1.0	10	14
Time of day of drinking (hours)	15.0	1.0	12	18
Time of day of exercising (hours)	18.0	1.0	15	21
Time of day of stress (hours)	20.0	1.0	18	22
Time of day of sleep quality (hours)	22.0	1.0	20	24
Time of day of dietary intake (hours)	24.0	1.0	22	26
Time of day of family size (hours)	26.0	1.0	24	28
Time of day of work hours (hours)	28.0	1.0	26	30
Time of day of comorbidity (hours)	30.0	1.0	28	32
Time of day of medication use (hours)	32.0	1.0	30	34
Time of day of health insurance (hours)	34.0	1.0	32	36
Time of day of place of residence (hours)	36.0	1.0	34	38
Time of day of transportation (hours)	38.0	1.0	36	40
Time of day of language spoken at home (hours)	40.0	1.0	38	42
Time of day of time of day of interview (hours)	42.0	1.0	40	44
Time of day of season of interview (hours)	44.0	1.0	42	46
Time of day of weather condition (hours)	46.0	1.0	44	48
Time of day of time of day of sleep (hours)	48.0	1.0	46	50
Time of day of time of day of waking (hours)	50.0	1.0	48	52
Time of day of time of day of eating (hours)	52.0	1.0	50	54
Time of day of time of day of drinking (hours)	54.0	1.0	52	56
Time of day of time of day of exercising (hours)	56.0	1.0	54	58
Time of day of time of day of stress (hours)	58.0	1.0	56	60
Time of day of time of day of sleep quality (hours)	60.0	1.0	58	62
Time of day of time of day of dietary intake (hours)	62.0	1.0	60	64
Time of day of time of day of family size (hours)	64.0	1.0	62	66
Time of day of time of day of work hours (hours)	66.0	1.0	64	68
Time of day of time of day of comorbidity (hours)	68.0	1.0	66	70
Time of day of time of day of medication use (hours)	70.0	1.0	68	72
Time of day of time of day of health insurance (hours)	72.0	1.0	70	74
Time of day of time of day of place of residence (hours)	74.0	1.0	72	76
Time of day of time of day of transportation (hours)	76.0	1.0	74	78
Time of day of time of day of language spoken at home (hours)	78.0	1.0	76	80
Time of day of time of day of time of day of interview (hours)	80.0	1.0	78	82
Time of day of time of day of season of interview (hours)	82.0	1.0	80	84
Time of day of time of day of weather condition (hours)	84.0	1.0	82	86
Time of day of time of day of time of day of sleep (hours)	86.0	1.0	84	88
Time of day of time of day of time of day of waking (hours)	88.0	1.0	86	90
Time of day of time of day of time of day of eating (hours)	90.0	1.0	88	92
Time of day of time of day of time of day of drinking (hours)	92.0	1.0	90	94
Time of day of time of day of time of day of exercising (hours)	94.0	1.0	92	96
Time of day of time of day of time of day of stress (hours)	96.0	1.0	94	98
Time of day of time of day of time of day of sleep quality (hours)	98.0	1.0	96	100
Time of day of time of day of time of day of dietary intake (hours)	100.0	1.0	98	102
Time of day of time of day of time of day of family size (hours)	102.0	1.0	100	104
Time of day of time of day of time of day of work hours (hours)	104.0	1.0	102	

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Ala Phe Pro Glu Asp Arg Ser Gln Pro Gly Gln Asp Cys Arg Phe Arg
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Val Thr Gln Leu Pro Asn Gly Arg Asp Phe His Met Ser Val Val Arg
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Ala Arg Arg Asn Asp Ser Gly Thr Tyr Leu Cys Gly Ala Ile Ser Leu
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Thr Glu Arg Arg Ala Glu Val Pro Thr Ala His Pro Ser Pro Ser Pro
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Leu Leu Gly Ser Leu Val Leu Leu Val Trp Val Leu Ala Val Ile Cys
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1065345 090609

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Cys Val Pro Glu Gln Thr Glu Tyr Ala Thr Ile Val Phe Pro Ser Gly
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